

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	2	(US-20040125673-\$ or US-20050104146-\$).did.	US-PGPUB	OR	OFF	2006/11/06 15:51
L4	2	3 and via	US-PGPUB	OR	OFF	2006/11/06 15:55
L5	5121	sdt gmr spin adj dependent adj (tunnel tunnelling) giant adj magnetoresistive	US-PGPUB	OR	OFF	2006/11/06 15:56
L6	700864	via or contact adj hole	US-PGPUB	OR	ON	2006/11/06 15:56
L7	2627	5 and 6	US-PGPUB	OR	ON	2006/11/06 15:57
L8	468274	heat thermal thermally heating	US-PGPUB	OR	ON	2006/11/06 15:57
L9	1398	sense adj line	US-PGPUB	OR	ON	2006/11/06 15:57
L11	46	8 same 9	US-PGPUB	OR	ON	2006/11/06 15:58
L12	714	8 and 9	US-PGPUB	OR	ON	2006/11/06 15:58
L13	636	6 and 12	US-PGPUB	OR	ON	2006/11/06 15:58
L14	43	5 and 13	US-PGPUB	OR	ON	2006/11/06 15:58
L15	74	11 or 14	US-PGPUB	OR	ON	2006/11/06 15:58
L16	15	11 and 14	US-PGPUB	OR	ON	2006/11/06 17:16
L17	15	16 and (sense sensing retrieving retrieval bit adj line)	US-PGPUB	OR	ON	2006/11/06 18:13
L18	2	("6704220").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/11/06 17:57
L19	12	"6704220"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/06 18:03
L20	0	6 and 19	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/06 18:04
L21	28	("20020009840"   "20020036331"   "20020163834"   "20030090930"   "20030156444"   "20030161180"   "20030170976"   "20030214835"   "5640343"   "5703805"   "5838608"   "5930164"   "6072718"   "6169689"   "6269018"   "6272041"   "6331943"   "6385082"   "6483734"   "6515888"   "6522573"   "6535416"   "6590806"   "6594175"   "6603678"   "6621730"   "6631085"   "6704220").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/06 18:35

## EAST Search History

L22	8	21 and (sense sensing retrieving retrieval bit adj line)	US-PGPUB	OR	ON	2006/11/06 18:18
L23	1	22 and 8	US-PGPUB	OR	ON	2006/11/06 18:15
L24	1	21 and 8	US-PGPUB	OR	ON	2006/11/06 18:15
L25	2	21 and 6	US-PGPUB	OR	ON	2006/11/06 18:18
L26	2	21 and via	US-PGPUB	OR	ON	2006/11/06 18:19
L27	2	("6925000").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/11/06 18:35
L28	7	sussner.in. and heat\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/06 18:36
L34	1	"733089".ap.	US-PGPUB	OR	OFF	2006/11/06 18:49
L35	1	L34 and thermally and sense and (isolated isolating isolate isolation)	US-PGPUB	OR	ON	2006/11/06 18:49
L36	1	L34 and heat with (VIA OR sense)	US-PGPUB	OR	ON	2006/11/06 18:49
L37	930	scheurlein scheuerlein scheurlien scheuerlein	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L38	317	L37 and (heat heated heating thermal thermally ohmic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L39	216	L38 and (sdt mram gmr resonance magnetic ferromagnetic antiferromagnetic anti-ferromagnetic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L40	4	L39 and sense with (heat heated heating thermal thermally ohmic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L41	2	"6130835" and sense with (heat heated heating thermal thermally ohmic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49

## EAST Search History

L42	21	"6130835" and (heat heated heating thermal thermally ohmic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L43	46	"6130835" and (sdt mram gmr resonance magnetic ferromagnetic antiferromagnetic anti-ferromagnetic mtj)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L44	20	L43 and L42	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L45	9166	curie near temperature and (sdt mram gmr resonance magnetic ferromagnetic antiferromagnetic anti-ferromagnetic mtj)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L46	60	curie near temperature and (sdt mram gmr resonance magnetic ferromagnetic antiferromagnetic anti-ferromagnetic mtj) and sense adj line	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L47	1	"20030007398" and curie near temperature and (spin dependent tunnel and gmr) and sense adj line and (write word) adj (conductor line)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L48	1	"20050104146" and sense with (heat heated heating thermal thermally) and (spin dependent tunnel and gmr) and sense adj line and (write word) adj (conductor line)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L49	2	L47 or L48	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/11/06 18:49
L50	9239	((257/295,421) or (365/158,171,200)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/06 18:49
L51	1	L49 and via	US-PGPUB	OR	OFF	2006/11/06 18:49
L52	1	"733089".ap.	US-PGPUB	OR	OFF	2006/11/06 18:49
L53	1	L52 and via	US-PGPUB	OR	OFF	2006/11/06 18:49

## EAST Search History

L54	1	L47 and sense	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L55	1	"20030007398" and sense	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L56	1	"20030007398" and curie near temperature and sense with (heat heated heating thermal thermally) and (spin dependent tunnel and gmr) and sense adj line and (write word) adj (conductor line)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L57	4	(US-20030007398-\$ or US-20040125673-\$ or US-20050002267-\$).did. or (US-6653704-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/11/06 18:49
L58	3	L57 and curie near temperature and sense with (heat heated heating thermal thermally) and (write word) adj (conductor line)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L59	4	L57 and sense with (heat heated heating thermal thermally)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L60	3	L59 and interconnection	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L61	1	"20050104146" and sense with (heat heated heating thermal thermally) and (spin dependent tunnel and gmr) and sense adj line and (write word) adj (conductor line)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L62	2	"20040125673" and curie near temperature and (spin dependent tunnel and gmr) and sense adj line and (write word) adj (conductor line)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/06 18:49
L63	1	"733089".ap.	US-PGPUB	OR	OFF	2006/11/06 18:49
L64	1	L63 and via and layer	US-PGPUB; USPAT	OR	OFF	2006/11/06 18:49

## EAST Search History

L65	1	L63 and via and layer	US-PGPUB; USPAT	OR	ON	2006/11/06 18:49
L66	2	(US-20050104146-\$ or US-20040125673-\$).did.	US-PGPUB	OR	OFF	2006/11/06 18:49
L67	2	L66 and (via layer)	US-PGPUB; USPAT	OR	ON	2006/11/06 18:49
L68	2	L66 and (via hole contact layer)	US-PGPUB; USPAT	OR	ON	2006/11/06 18:49
L69	2	L66 and (via layer)	US-PGPUB; USPAT	OR	ON	2006/11/06 18:49
L70	2	L66 and (via and layer)	US-PGPUB; USPAT	OR	ON	2006/11/06 18:49
L71	2	L66 and via	US-PGPUB; USPAT	OR	ON	2006/11/06 18:49
L72	88	(Peter and Roberts).in.	US-PGPUB	OR	OFF	2006/11/06 18:49
L73	7	L72 and socket	US-PGPUB	OR	OFF	2006/11/06 18:49
L74	1	("20030181043").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/06 18:49